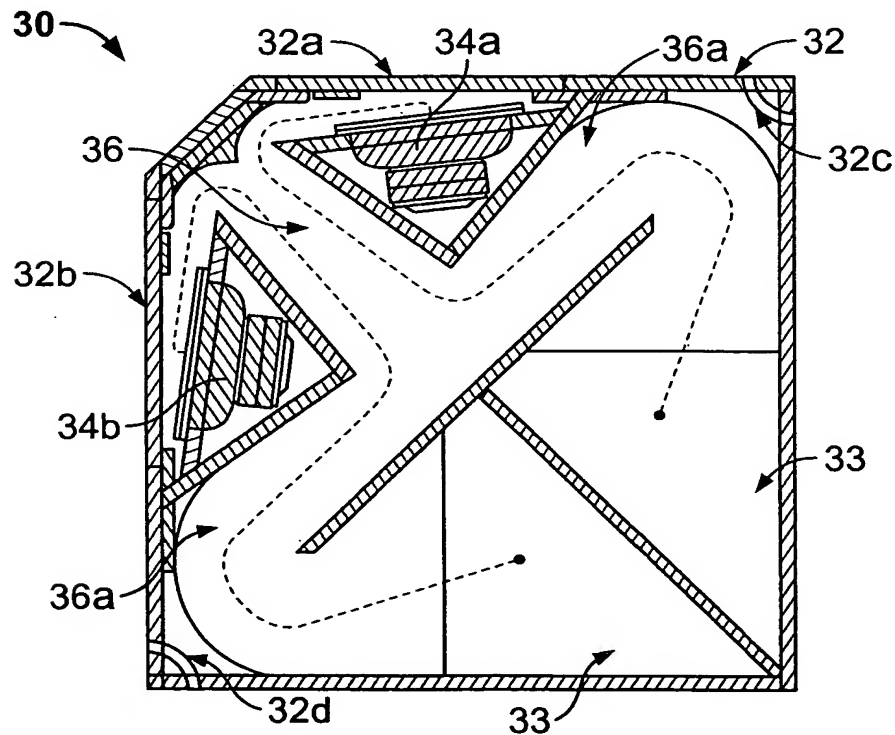


FIG. 1



**FIG. 3**

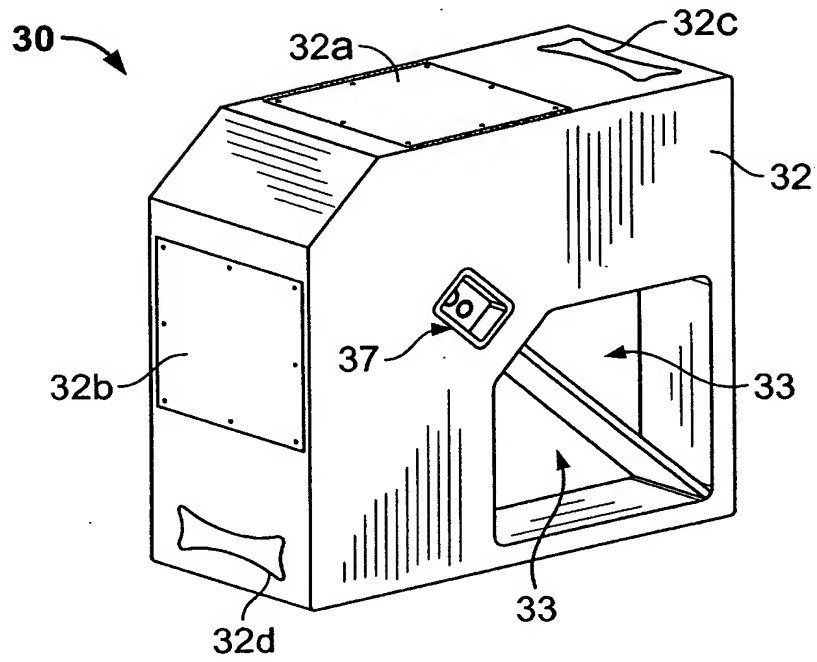


FIG. 2A

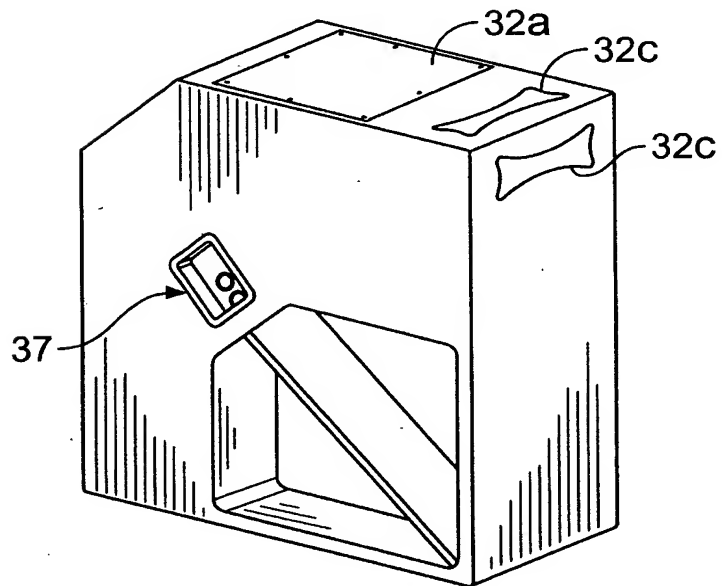


FIG. 2B

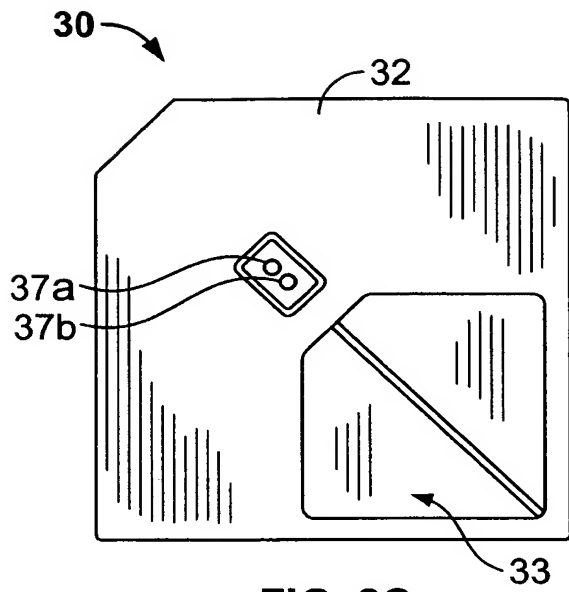


FIG. 2C

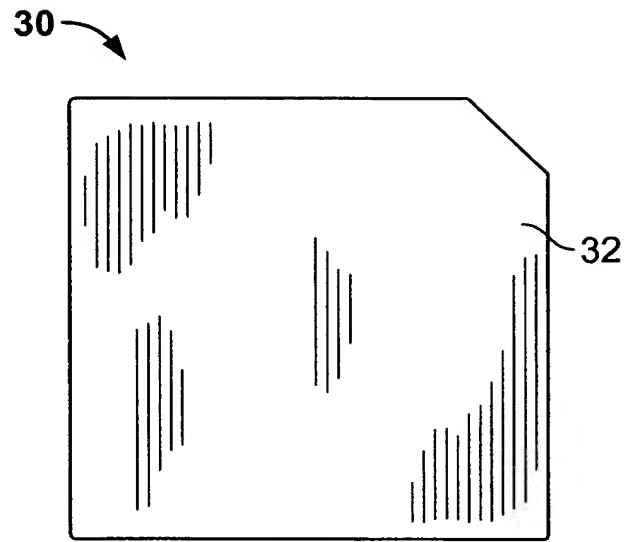


FIG. 2D

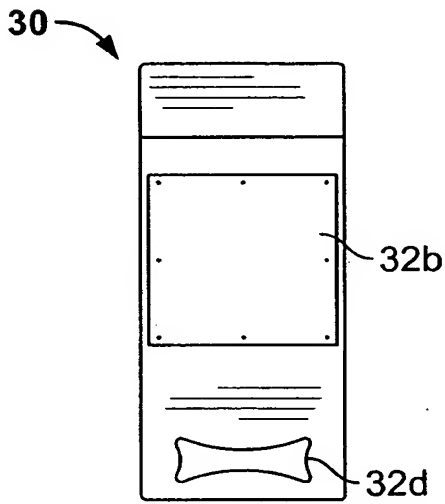


FIG. 2E

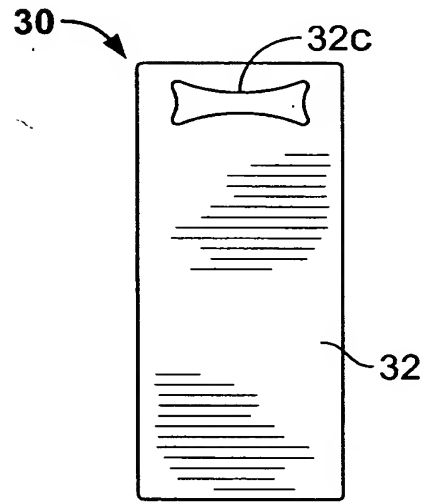


FIG. 2F

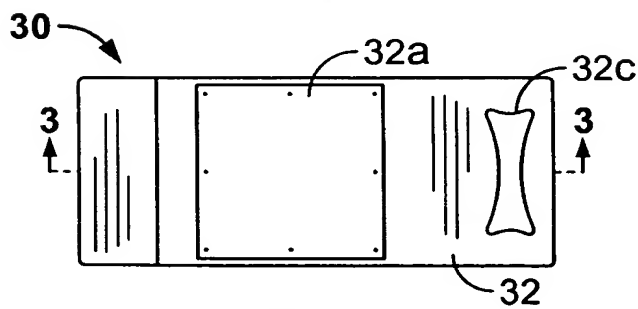


FIG. 2G

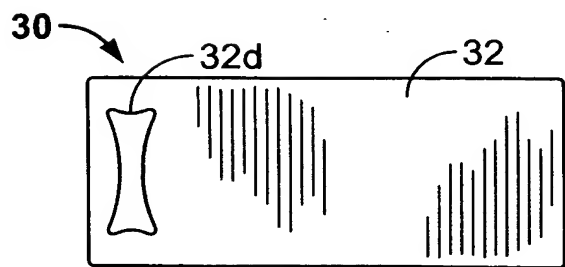


FIG. 2H

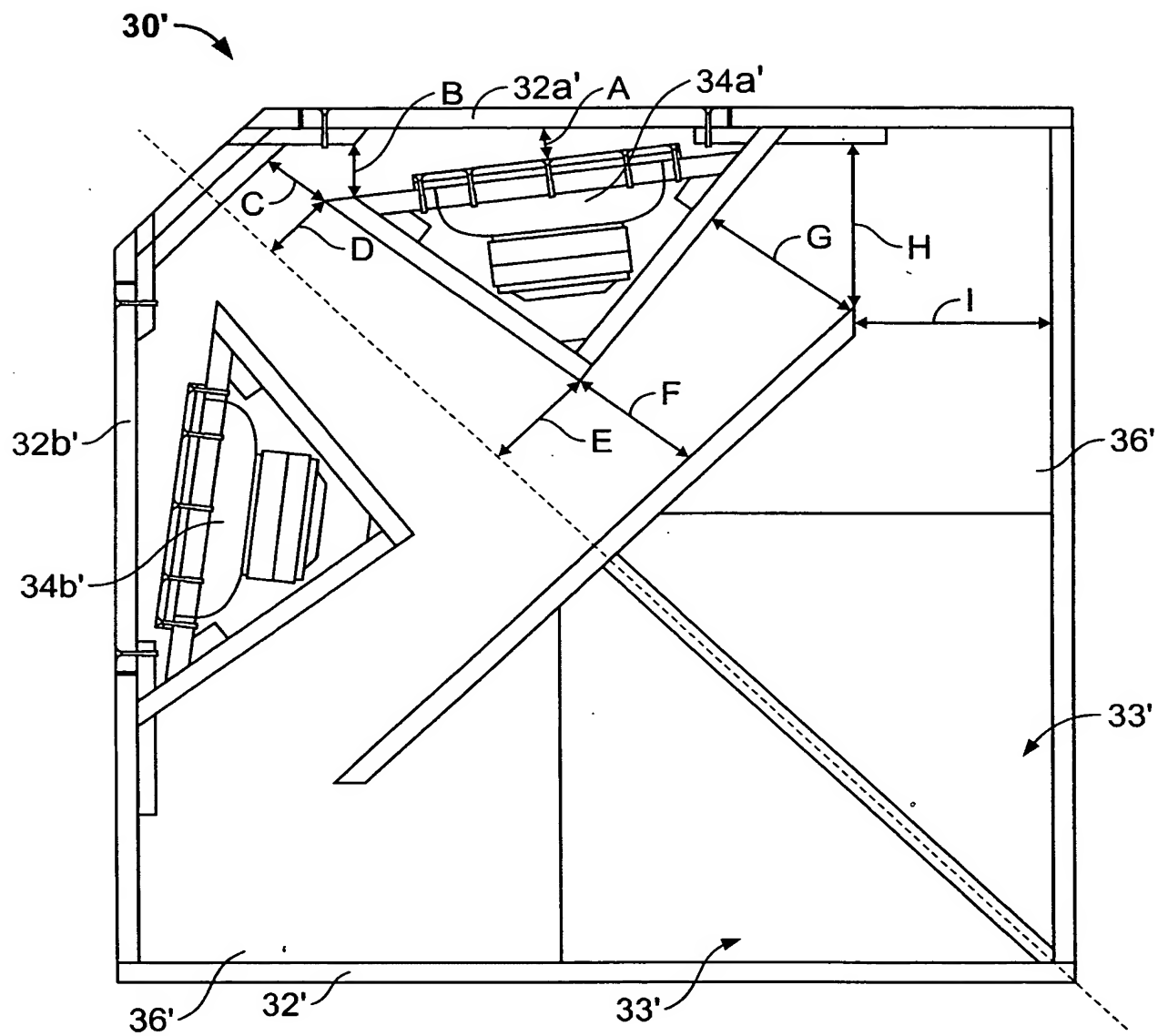


FIG. 4

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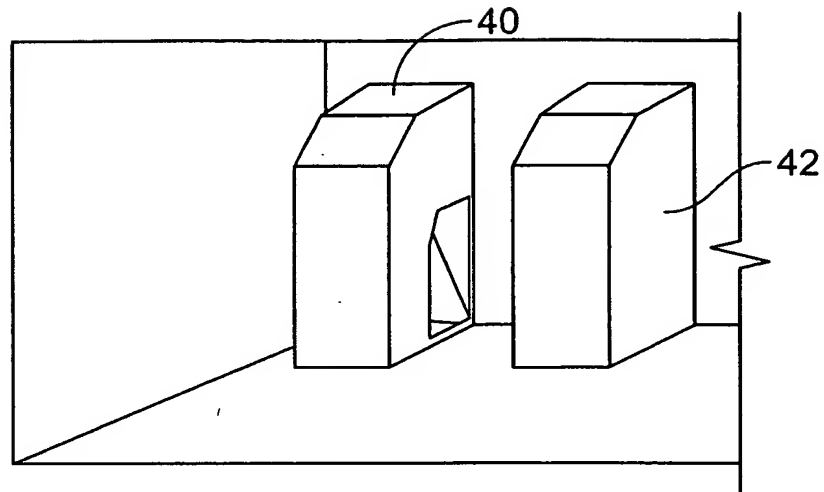


FIG. 5A

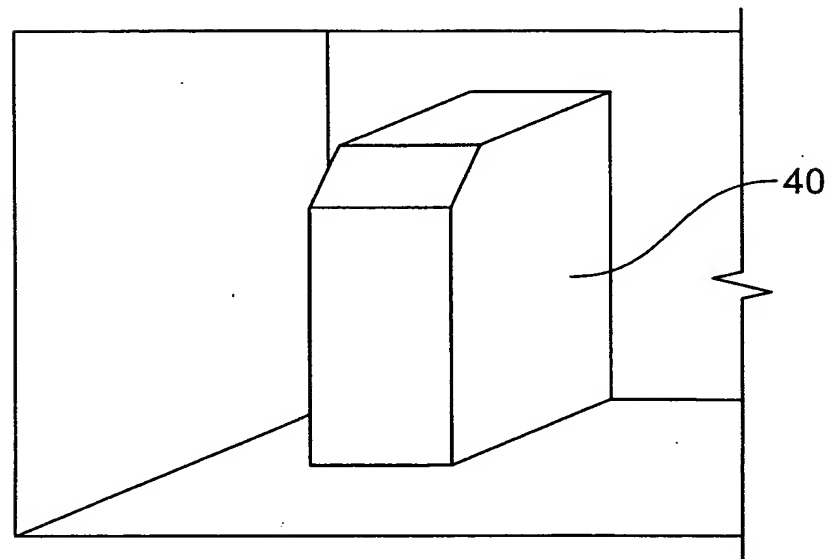


FIG. 5B

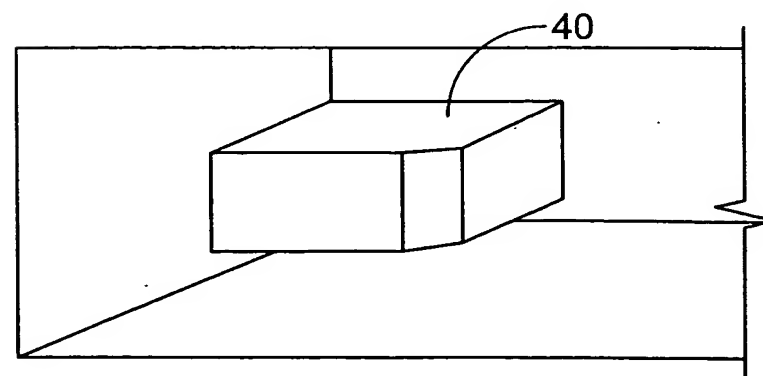
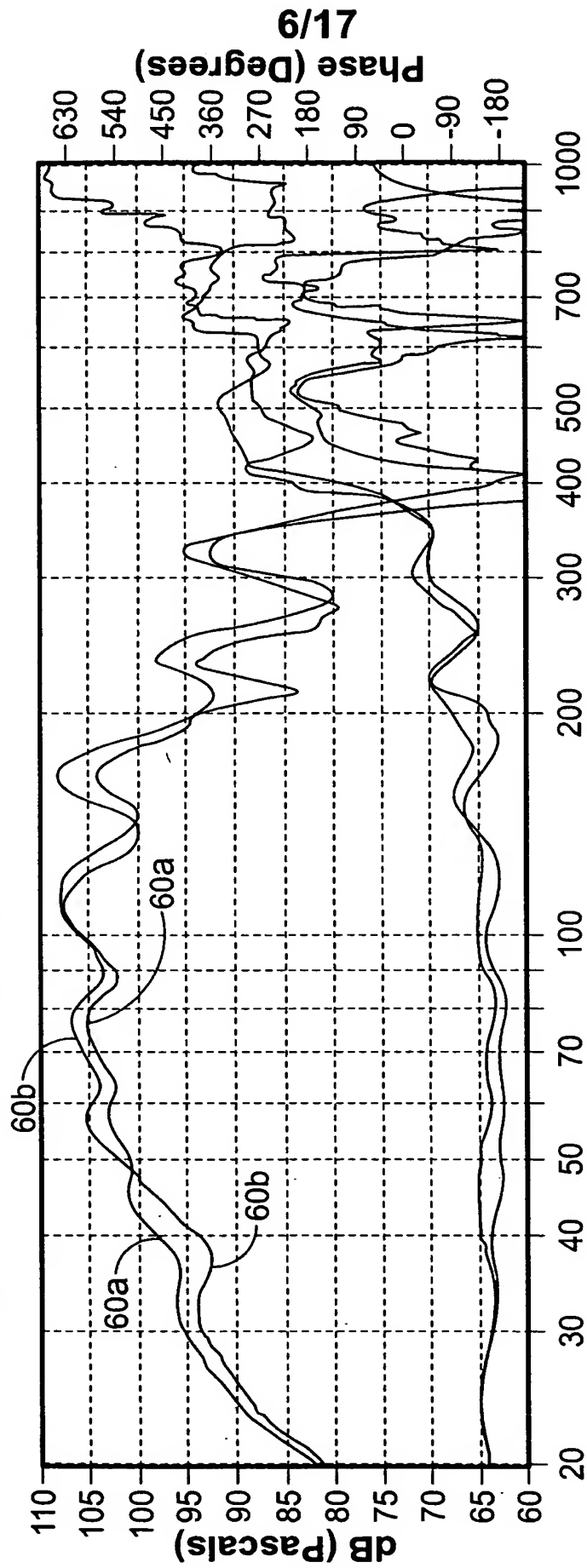


FIG. 5C

2048 Samples in 20.0s, Frequency Res=7.0Hz, Time Res=142.86 ms(161.43 feet)



Frequency (Hz) Octave Smoothing=12.0% by Vector

FIG. 6

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2048 Samples in 20.0s, Frequency Res=7.0Hz, Time Res=142.86 ms(161.43 feet)

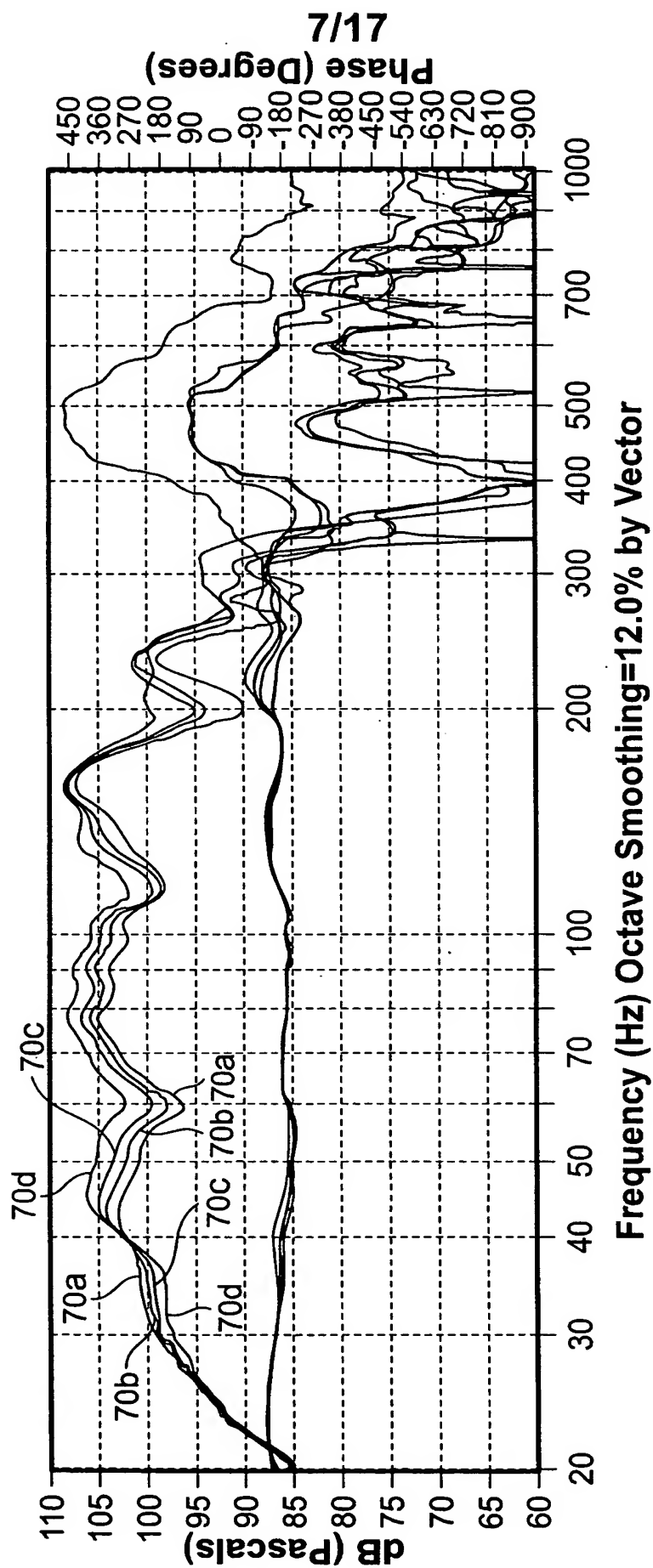


FIG. 7

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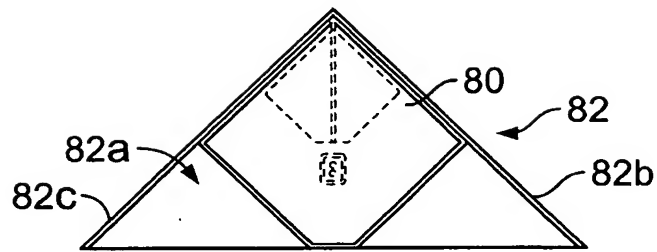


FIG. 8A

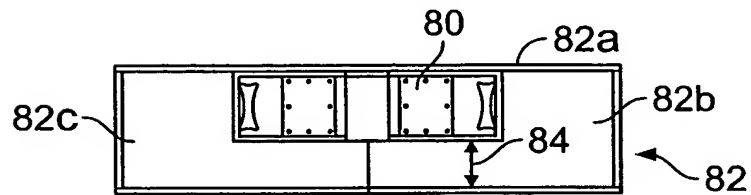


FIG. 8B

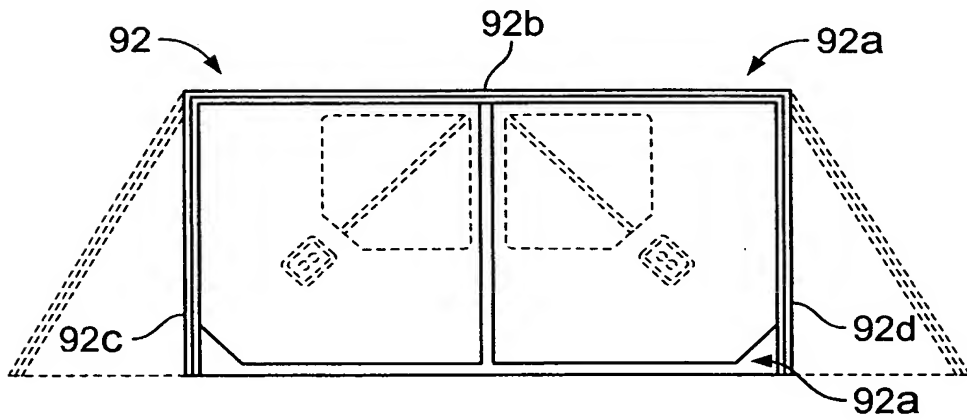


FIG. 9A

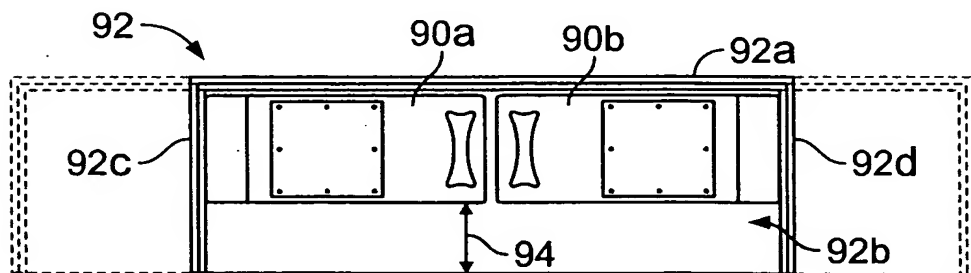


FIG. 9B



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100

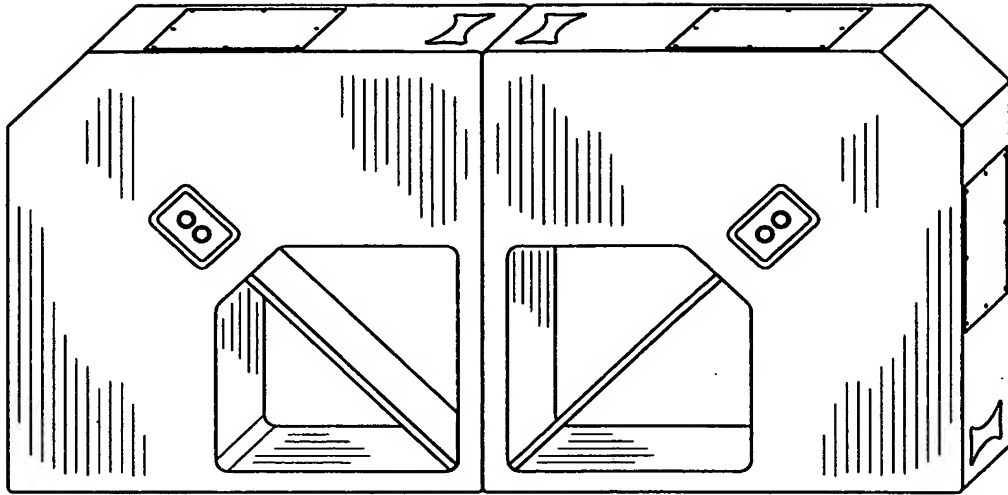


FIG. 10A

110

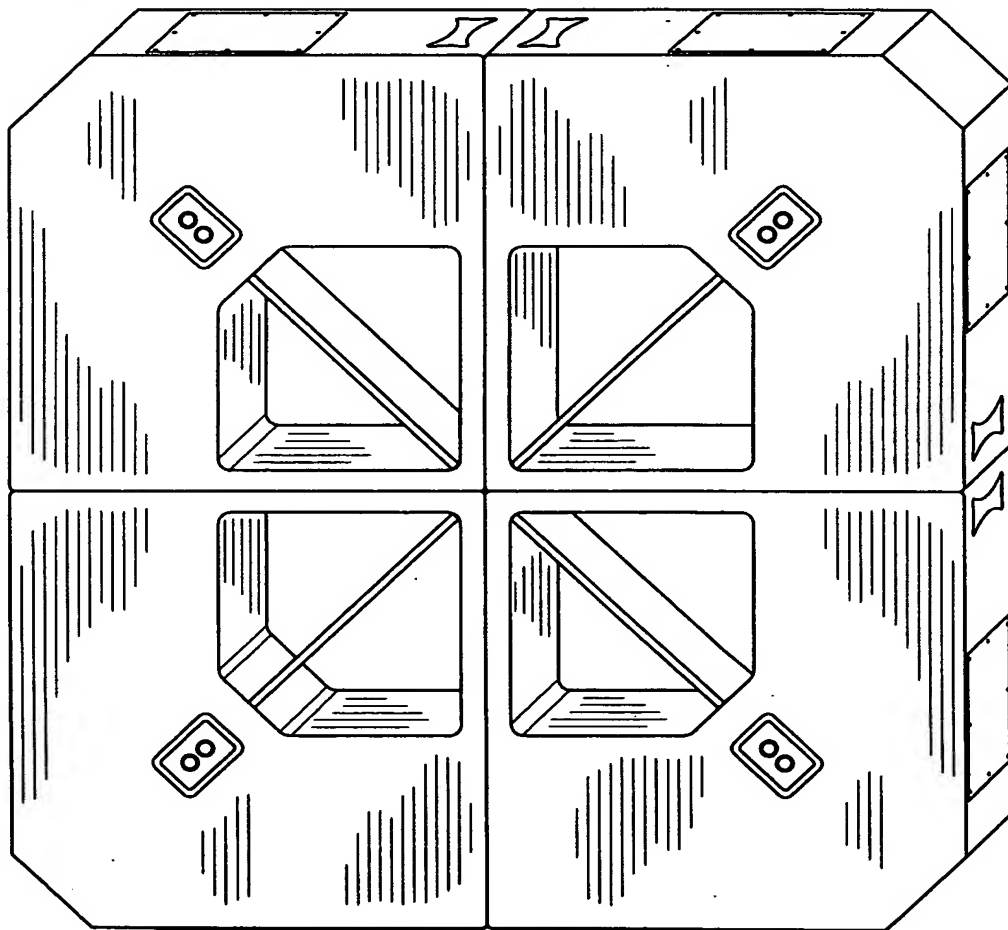


FIG. 11A

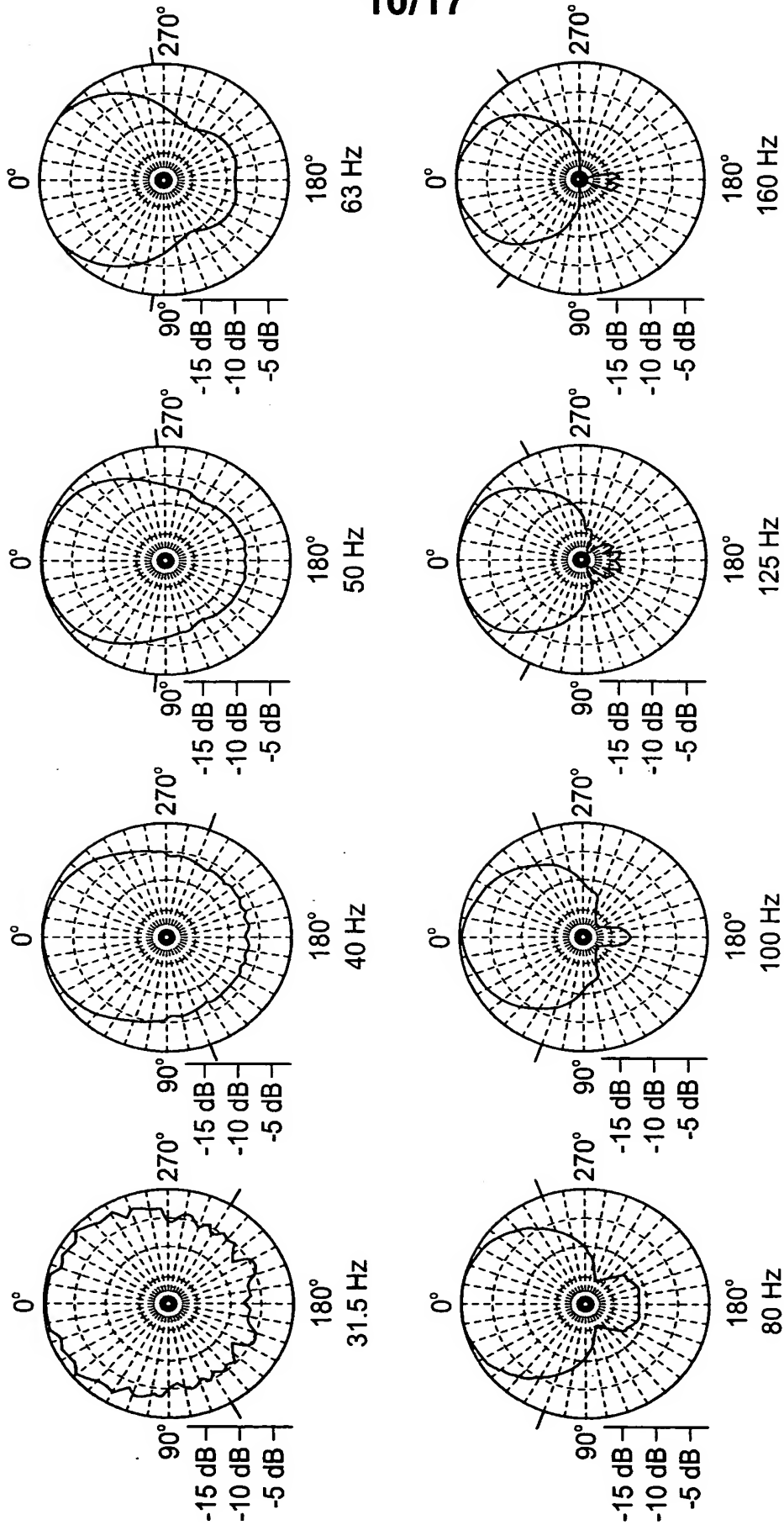


FIG. 10B

4096 Samples in 15.1 s, Frequency Res=8.1Hz, Time Res=124.04 ms (140.16 feet)

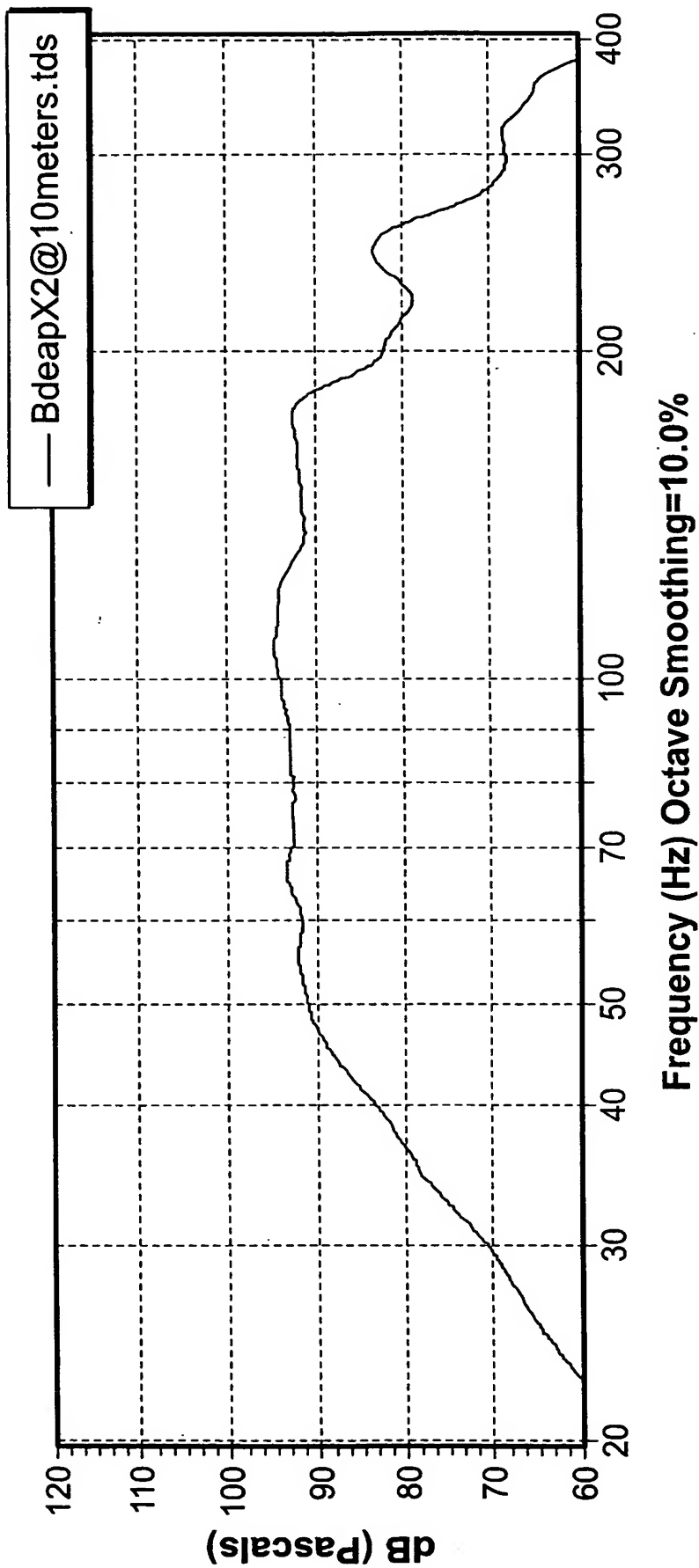


FIG. 10C

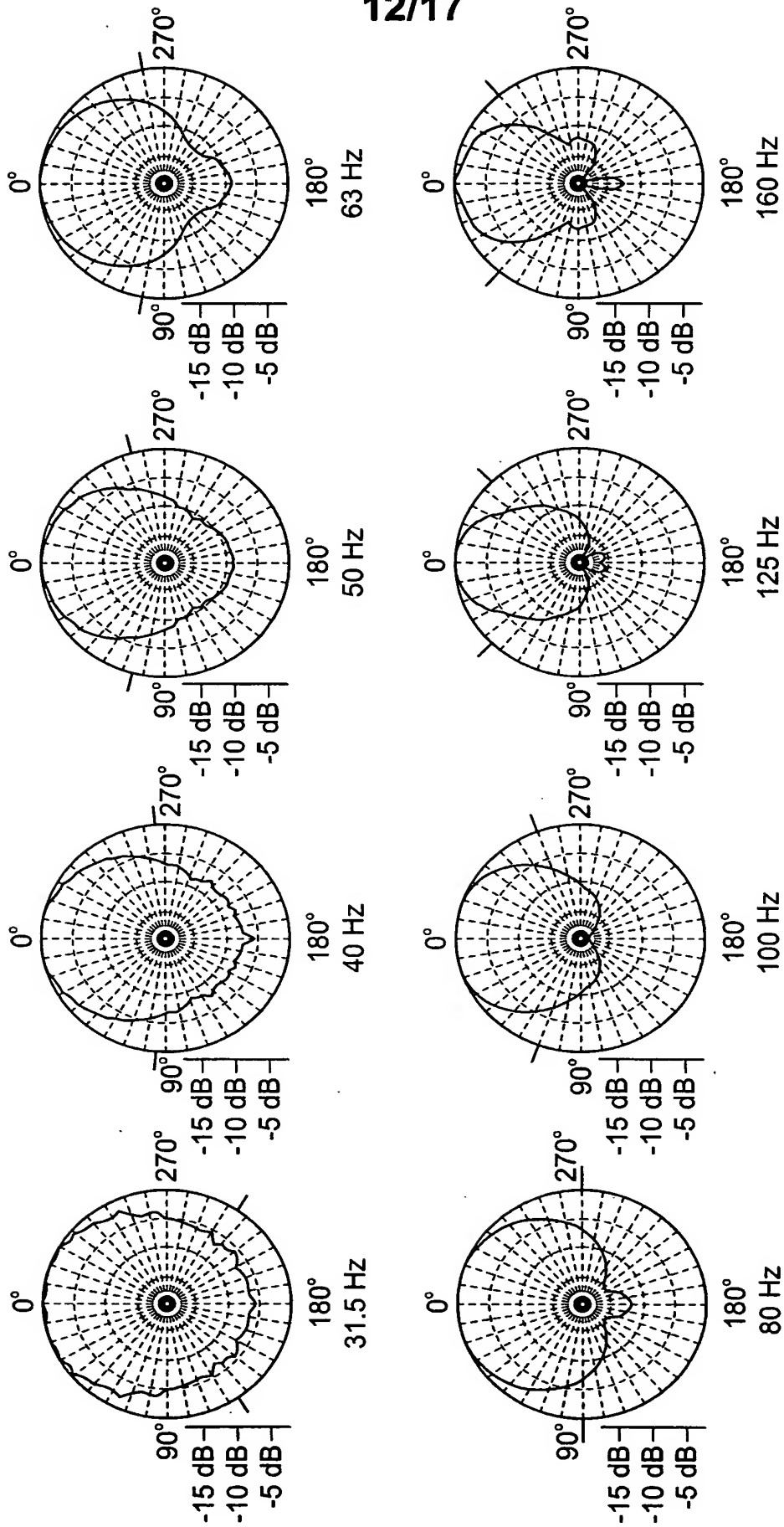


FIG. 11B

4096 Samples in 15.1 s, Frequency Res=8.1Hz, Time Res=124.04 ms (140.16 feet)

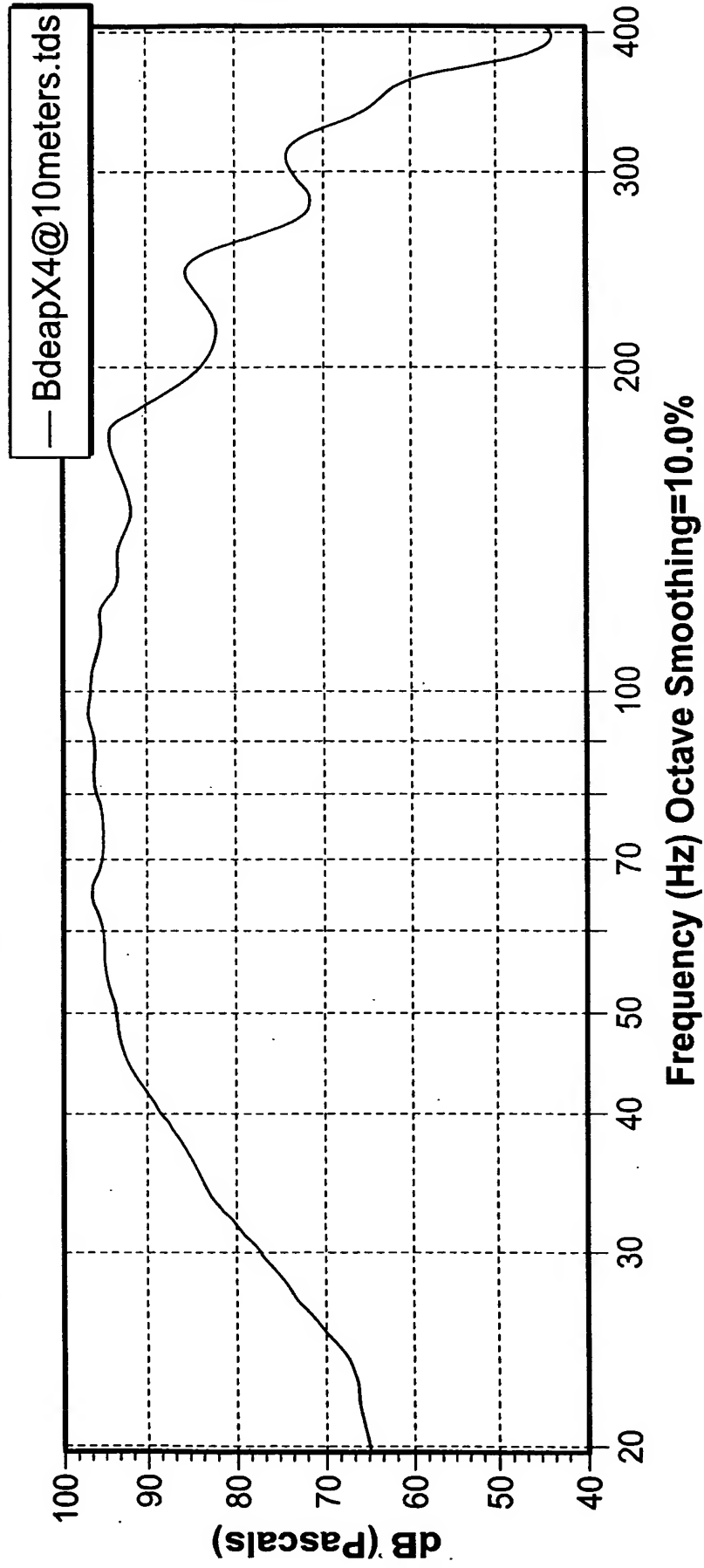


FIG. 11C

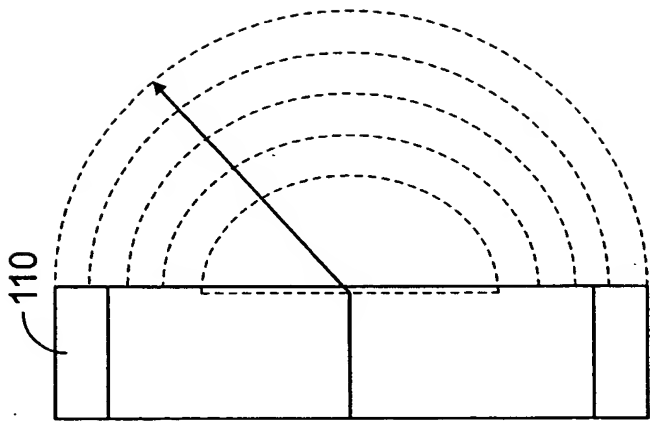


FIG. 12B

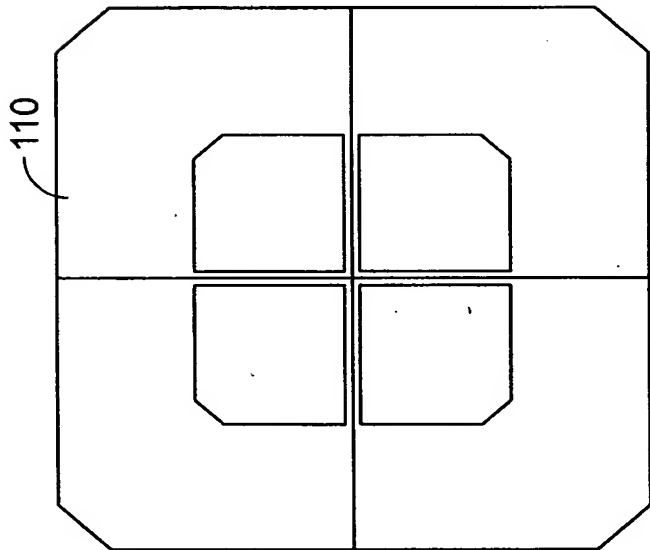


FIG. 12A

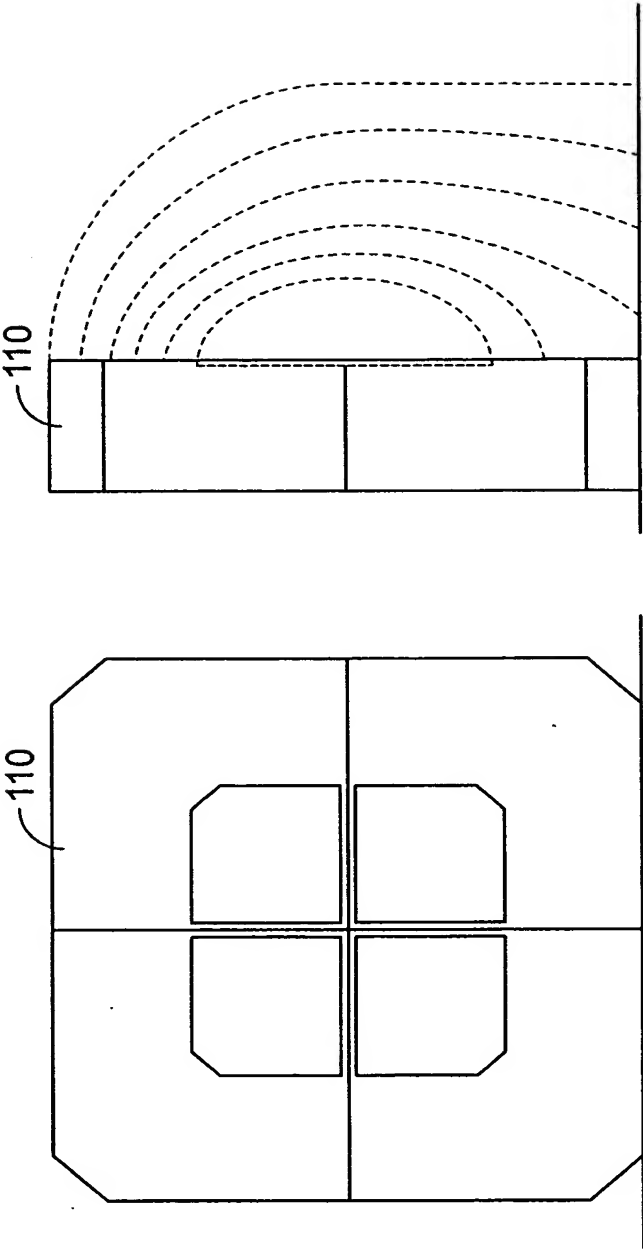


FIG. 13B

FIG. 13A

8192 Samples, Frequency Res=3.0Hz

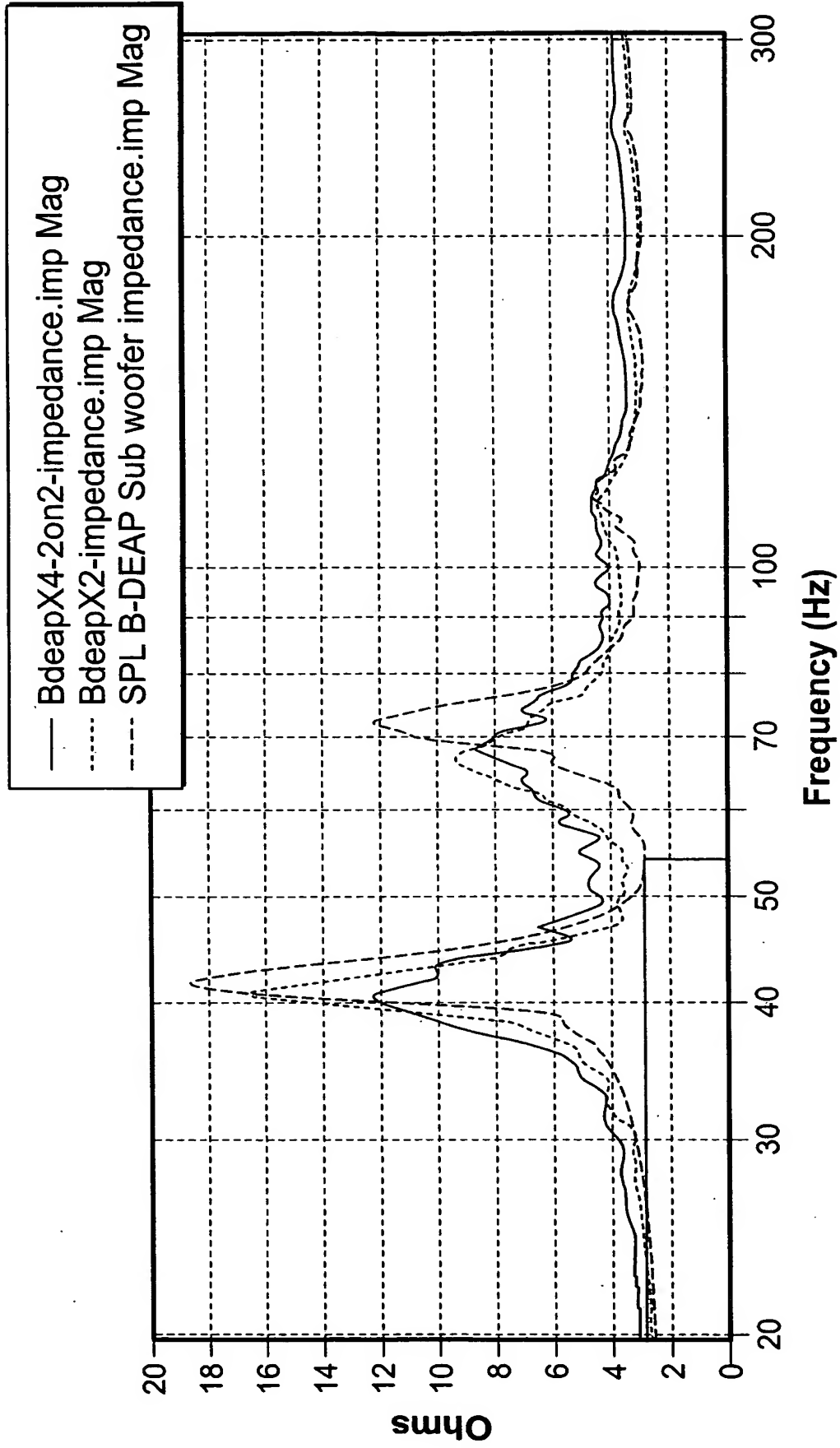


FIG. 14A



8192 Samples, Frequency Res=3.0Hz

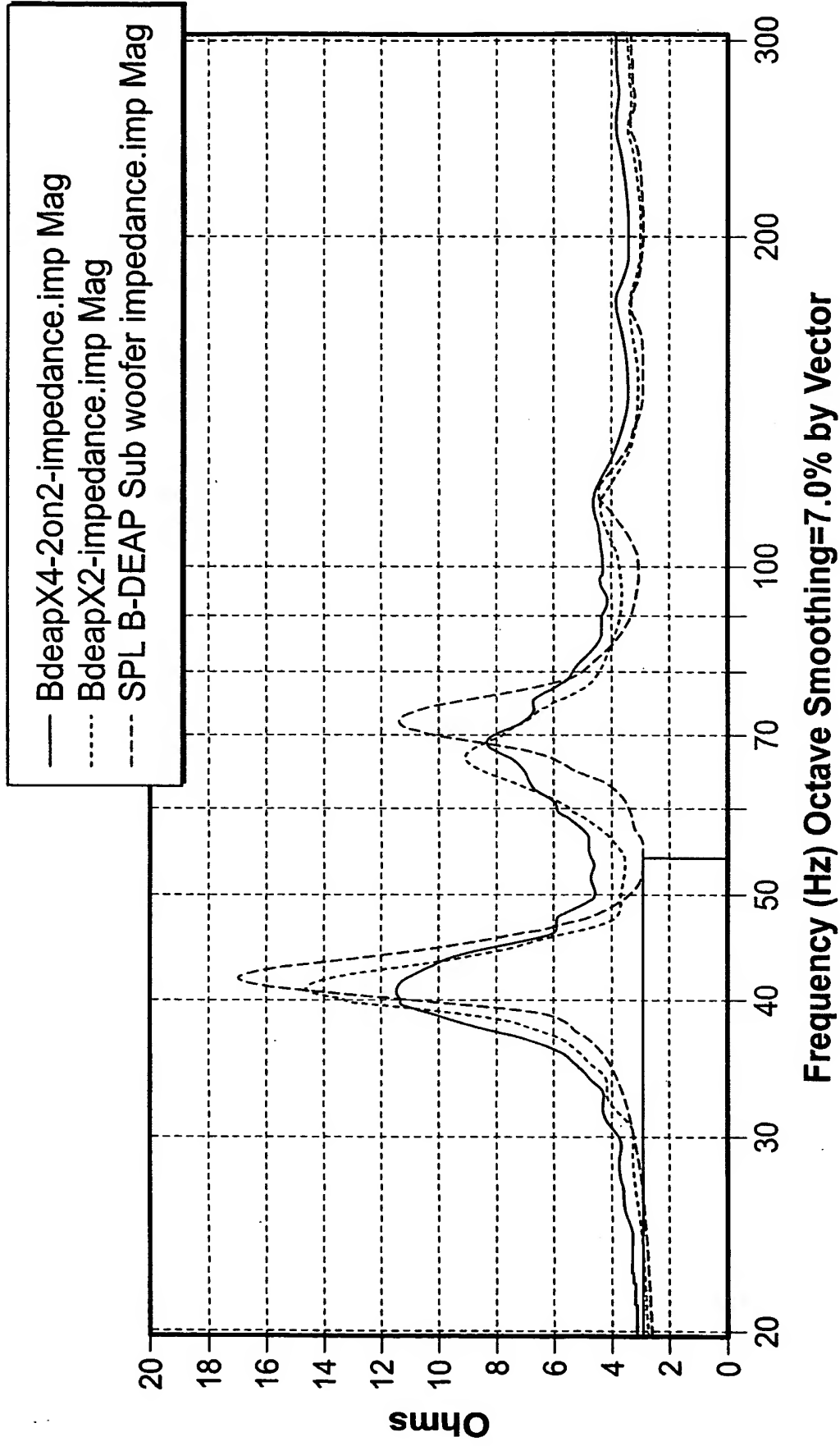


FIG. 14B